

ABSTRACT

A tiered calibration process is provided for use in color printing devices.

A first tier calibration or coarse calibration is performed based on measured luminance values from a test print. If the measured values are different than

the desired values, then linearization parameters maintained in one-dimensional look-up tables are modified to reduce the difference. A second tier calibration

or fine calibration is then performed based on measured luminance and chrominance values in a subsequent test print. If the measured values are

different than the desired values, then the applicable color conversion parameters maintained in a multi-dimensional look-up table are modified to

reduce the difference. The fine calibration may also be conducted without having performed the coarse calibration.